

Comparisons of Job Characteristics

Focus Occupation: Maintenance and Repair Workers, General (49-9042)

Associated Occupation: Helpers--Electricians (47-3013)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 90

Focus Occupation: Maintenance and Repair Workers, General (49-9042)

Associated Occupation: Helpers--Electricians (47-3013)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Building and Construction	4.0	14.8	14.3	0 Current knowledge level may be sufficient
Mechanical	6.8	13.4	19.3	>> Current knowledge level is likely more than sufficient
Design	5.2	8.3	11.7	>> Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 79

Focus Occupation: Maintenance and Repair Workers, General (49-9042)

Associated Occupation: Helpers--Electricians (47-3013)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Equipment Maintenance	3.5	8.0	12.7	>> Skill level is likely more than sufficient
Repairing	3.4	7.6	12.3	>> Skill level is likely more than sufficient
Installation	1.7	5.7	8.3	>> Skill level is likely more than sufficient
Equipment Selection	3.3	5.1	9.5	>> Skill level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 81

Focus Occupation: Maintenance and Repair Workers, General (49-9042)**Associated Occupation: Helpers--Electricians (47-3013)**

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Manual Dexterity	6.5	13.0	11.4	<	Some improvement in abilities may be required
Near Vision	11.1	12.9	11.2	<	Some improvement in abilities may be required
Extent Flexibility	4.8	12.2	9.2	<<	Extensive improvement in abilities may be required
Trunk Strength	5.7	10.0	7.9	<	Some improvement in abilities may be required
Visual Color Discrimination	6.4	10.0	8.5	<	Some improvement in abilities may be required
Gross Body Equilibrium	3.2	9.2	5.6	<<	Extensive improvement in abilities may be required
Gross Body Coordination	3.9	8.0	5.8	<<	Extensive improvement in abilities may be required
Dynamic Strength	3.5	7.4	4.9	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: Maintenance and Repair Workers, General (49-9042)**Associated Occupation: Helpers--Electricians (47-3013)**

Work Activities	Exclusivity of Activity
Apply cleaning solvents	41
Bend tubing or conduit	81
Climb ladders, scaffolding, or utility or telephone poles	56
Erect scaffold	56
Fabricate, assemble, or disassemble manufactured products by hand	11
Install/string electrical or electronic cable or wiring	76
Move or fit heavy objects	8
Operate hoist, winch, or hydraulic boom	34
Paint walls or other structural surfaces	75
Read blueprints	10
Read technical drawings	7
Repair or replace electrical wiring, circuits, fixtures, or equipment	49
Replace electronic components	63
Solder electrical or electronic connections or components	55
Test electrical/electronic wiring, equipment, systems or fixtures	54
Use acetylene welding/cutting torch	54
Use basic carpentry techniques	62

Use electrical or electronic test devices or equipment	40
Use hand or power tools	2
Use soldering equipment	44
Use voltmeter, ammeter, or ohmmeter	52

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 86

Focus Occupation: Maintenance and Repair Workers, General (49-9042)
Associated Occupation: Helpers--Electricians (47-3013)

Tools and Technologies	Exclusivity
Compressors	9
Computers	1
Content authoring and editing software	1
Cutting and crimping and punching tools	3
Earth moving machinery	11
Electrical measuring and testing equipment	7
Forming tools	2
Garden tools	12
Holding and clamping tools	3
Indicating and recording instruments	2
Industrial trucks	10
Ladders and scaffolding	6
Lifting equipment and accessories	3
Machine tools	7
Marking tools	11
Measuring and layout tools	3
Personal communication devices	2
Pneumatic tools	8
Power tools	2
Product and material transport vehicles	13
Prying and bending tools	10
Pulling tools	31
Respiratory protection	6
Safety apparel	4
Soldering and brazing and welding machinery and supplies	6
Surveillance and detection equipment	11
Tool attachments and accessories	12
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.